### Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

### San Joaquin River Basin

NA0010	Overall LMA	Total LMA				
Lower San Joaquin Levee District	Rating	Miles				
	M	191.36			Fnorce	hmonto
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
Earthen Levee Vegetation	19.91		19.91	10.40%		
Trim / Thin Trees	0.08		0.08	0.04%		
Encroachments	0.06	0.01	0.10	0.05%	1.74	
Animal Control	1.09		1.09	0.57%		
Slope Stability	0.76		0.76	0.40%		
Erosion / Bank Caving	0.02	0.01	0.06	0.03%		
Crown Surface / Depressions / Rutting	3.78	0.0.	3.78	1.98%		
Repair Gates	0.01	0.01	0.05	0.03%		
Channels	0.01	0.01	0.00	0.0070		
Encroachments	0.02		0.02	0.01%		
Concrete Foundations	0.01		0.01	0.01%		
Supplemental						
DWR Erosion Survey		0.16	0.64	0.33%		
LMA Totals:	25.74	0.19	26.50	13.85%	1.74	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles				
NA0010	U	22.56				
					Encroad	hments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee	7.07		7.07	22.220/		
Vegetation	7.27		7.27	32.23%		
Trim / Thin Trees	0.01		0.01	0.04%	0.55	
Encroachments	0.01		0.01	0.04%	0.55	
Animal Control	0.07	0.00	0.07	0.31%	0.55	0.00
Unit Totals:	7.36	0.00	7.36	32.62%	0.55	0.00
Unit No. 02A San Joaquin River LB	Overall Unit Rating	Total Unit Miles	10.00%; hov	Threshold Percei vever, U Rated M Unit Rating is M ir	liles are pres	
NA0010	M *	7.87	line evenum			hmonto
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
Earthen Levee		•		71		
Encroachments					0.01	
Erosion / Bank Caving		0.01	0.04	0.51%		
Repair Gates		0.01	0.04	0.51%		
Unit Totals:	0.00	0.02	0.08	1.02% *	0.01	0.00
Unit No. 02B San Joaquin River LB	Overall Unit Rating	Total Unit Miles				
NA0010	A	5.92				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00

### Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

Unit No. 03 San Joaquin River RB	Overall Unit Rating	Total Unit Miles				
NA0010	U	2.16				
INACCIO					Encroad	hments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee		T				
Vegetation	0.73		0.73	33.80%		
Slope Stability	0.01		0.01	0.46%		
Erosion / Bank Caving	0.01		0.01	0.46%		
Unit Totals:	0.75	0.00	0.75	34.72%	0.00	0.00
Unit No. 04 San Joaquin River LB	Overall Unit Rating	Total Unit Miles				
NA0010	Α	1.58				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
Encroachments					1.17	
Unit Totals:	0.00	0.00	0.00	0.00%	1.17	0.00
Unit No. 05 East Side Bypass RB	Overall Unit Rating	Total Unit Miles				
NA0010	A	34.75				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Trim / Thin Trees	0.07		0.07	0.20%		
Encroachments	0.02		0.02	0.06%	0.01	
Animal Control	0.10		0.10	0.29%		
Crown Surface / Depressions / Rutting	1.51		1.51	4.35%		
Repair Gates	0.01		0.01	0.03%		
Unit Totals:	1.71	0.00	1.71	4.92%	0.01	0.00
Unit No. 06 East Side Bypass LB	Overall Unit Rating	Total Unit Miles				
NA0010	A	36.38				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroad PO Miles	chments CO Miles
Earthen Levee Vegetation	0.89		0.89	2.45%		
Animal Control	0.69		0.89	0.39%		
Slope Stability	0.14		0.14	2.03%		
Crown Surface / Depressions / Rutting	1.01		1.01	2.78%		
Unit Totals:	2.78	0.00	2.78	7.64%	0.00	0.00
			2.10	7.07/0	0.00	0.00
Unit No. 07 Bear Creek Bypass RB	Overall Unit Rating	Total Unit Miles				
NA0010	Α	3.62				
Pated Item	M Miles	I I Miles	M + ALL Miles	Throshold %	Encroad PO Milos	
Rated Item  Earthen Levee	IVI IVIIIES	U Miles	M + 4U Miles	Threshold %	PO Miles	CO ivilles
Animal Control	0.01		0.01	0.28%		
Unit Totals:	0.01	0.00	0.01	0.28%	0.00	0.00

### Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

Unit No. 08 Bear Creek Bypass LB	Overall Unit Rating	Total Unit Miles				
NA0010	A	3.63				
					Encroad	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee Animal Control	0.17		0.17	4.68%		
Unit Totals:	0.17	0.00	0.17	4.68%	0.00	0.00
			0.17	4.0070	0.00	0.00
Unit No. 09 Owens Creek Bypass RB	Overall Unit Rating	Total Unit Miles				
NA0010	U	0.88			1	
Rated Item	M Miles	I I Mileo	M + 4U Miles	Threshold %		chments CO Miles
Earthen Levee	IVI IVIIIES	U Miles	IVI + 40 IVIIIeS	Threshold %	ro ivilles	CO Miles
Crown Surface / Depressions / Rutting	0.40		0.40	45.46%		
Unit Totals:	0.40	0.00	0.40	45.46%	0.00	0.00
Unit No. 10 Owens Creek Burges LD	Overall Unit	Total Unit				
Unit No. 10 Owens Creek Bypass LB	Rating	Miles				
NA0010	U	0.82				
NACOTO		0.02			Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee						
Crown Surface / Depressions / Rutting	0.80		0.80	97.56%	2.22	2.22
Unit Totals:	0.80	0.00	0.80	97.56%	0.00	0.00
Unit No. 11 Mariposa Bypass RB	Overall Unit Rating	Total Unit Miles				
NA0010	A	3.31				
D 4 1 11				<b>T</b>		chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee Animal Control	0.02		0.02	0.60%		
Unit Totals:	0.02	0.00	0.02	0.60%	0.00	0.00
Unit No. 12 Mariposa Bypass LB	Overall Unit Rating	Total Unit Miles				
NA0010	A	3.33				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroad PO Miles	chments CO Miles
Earthen Levee						
Animal Control	0.01		0.01	0.30%		
Unit Totals:	0.01	0.00	0.01	0.30%	0.00	0.00
Unit No. 13 Ash Slough RB	Overall Unit Rating	Total Unit Miles				
NA0010	U	1.28				
D. 1. 1. 11		11.50		T		chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee Vegetation	1.24		1.24	96.88%		
Animal Control	0.01		0.01	0.78%		
Unit Totals:	1.25	0.00	1.25	97.66%	0.00	0.00
Offic Totals.	1.20	0.00	1.20	07.0070	0.00	0.00

### Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

Unit No. 14 Ash Slough LB	Overall Unit Rating	Total Unit Miles				
NA0010	U	1.28				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee Vegetation	2.56		2.56	200.00%		
Channels	2.50		2.30	200.0070		
Concrete Foundations	0.01		0.01	0.78%		
Unit Totals:	2.57	0.00	2.57	200.78%	0.00	0.00
Unit No. 15 Berenda Slough RB	Overall Unit Rating	Total Unit Miles				
NA0010	U	2.03				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee Vogetation	0.59		0.59	29.06%		
Vegetation  Unit Totals:	0.59	0.00	0.59	29.06%	0.00	0.00
Offile Folials.	0.59	0.00	0.59	29.00%	0.00	0.00
Unit No. 16 Berenda Slough LB	Overall Unit Rating	Total Unit Miles				
NA0010	U	1.98				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee Vegetation	1.10		1.10	55.56%		
Slope Stability	0.01		0.01	0.51%		
Unit Totals:	1.11	0.00	1.11	56.06%	0.00	0.00
Unit No. 17 Chowchilla Canal Bypass RB	Overall Unit Rating	Total Unit Miles				
NA0010	Α	16.09				
Rated Item	NA NAILOG	LI Miles	M + 411 Miles	Throchold 0/	Encroad PO Miles	
Earthen Levee	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO ivilles
Encroachments	0.01		0.01	0.06%		
Animal Control	0.38		0.38	2.36%		
Unit Totals:	0.39	0.00	0.39	2.42%	0.00	0.00
Unit No. 18 Chowchilla Canal Bypass LB	Overall Unit Rating	Total Unit Miles				
NA0010	M	15.33				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee	2.54		2.54	16.57%		
Vegetation	2.54					
Encroachments	0.01	0.00	0.01	0.07%	0.00	0.00
Unit Totals:	2.55	0.00	2.55	16.63%	0.00	0.00

### Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

Unit No. 22A East Side Canal LB	Overall Unit Rating	Total Unit Miles				
		5.50				
NA0010	Α	5.50			Encroad	hmonte
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee						
Animal Control	0.13		0.13	2.36%		
Erosion / Bank Caving	0.01		0.01	0.18%		
Crown Surface / Depressions / Rutting	0.06		0.06	1.09%		
Channels						
Encroachments	0.02		0.02	0.36%		
Unit Totals:	0.22	0.00	0.22	4.00%	0.00	0.00
Unit No. 23 San Joaquin River RB	Overall Unit Rating	Total Unit Miles				
NA0010	M	10.25				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee		T	T			
Vegetation	0.83		0.83	8.10%		
Encroachments		0.01	0.04	0.39%		
Animal Control	0.04		0.04	0.39%		
Supplemental	I	0.40	0.04	0.040/		
DWR Erosion Survey		0.16	0.64	6.24%		
Unit Totals:	0.87	0.17	1.55	15.12%	0.00	0.00
Unit No. 24 San Joaquin River LB	Overall Unit Rating	Total Unit Miles				
NA0010	U	8.34				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee	0.40		0.40	05.000/		
Vegetation	2.16		2.16	25.90%		
Encroachments	0.01		0.01	0.12%		
Animal Control	0.01		0.01	0.12%		
Unit Totals:	2.18	0.00	2.18	26.14%	0.00	0.00
Unit No. 25 Salt Slough RB	Overall Unit Rating	Total Unit Miles				
NA0010	A	2.47				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00

### **LMA District Cover Sheet**

#### Fall 2011 Levee Inspection Results

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	
	** Non-receipt of Su	ımmer or Winter Insp	ection Reports may effec	ct overall annual rating
* SPRING INSPECTIONS: Overall maintenance deficiencies are rated  FALL INSPECTIONS: The overall maintena within the attached un	d using the same crite nce rating shown abo	ria in the spring and i	n the fall.	
Comments				

#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

	Bank	Unit Miles			
	Unit No. 01 San	Joaquin River		Right	22.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			U		
Date of Inspection	5/2/2011 - 5/5/2011		10/31/2011 - 11/3/2011		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:	vinter (or summer) inspection p	period, my staff or I hav	e inspected the levee and asso	ociated fl	ood
project components conditions other tha	identified in the attached Leve in the results of our normal mai ed in the enclosed report.	e Inspection Report by	Mile. We have found no change	ges in flo	
project components maintenance and th following changes ir (In the comment se	winter (or summer) inspection p identified in the attached Leve se corrections we have made to in flood project conditions. ction below or on additional she	ee Inspection Report by o maintenance deficiend eet(s), identify change of	Mile. In addition to the results cies identified in the report, we of condition by: Start to End Le	of our no have fou	ormal und the or GPS
coordinates, location	n (Land Side, Water Side, or C	crown), Item identification	on, and description of the curre	ent condit	ion).
Comments					
information must also be	3	eet should be signed ar	nd dated by the LMA Represent ch 31 (Winter Inspection). Pleast spection Reports c, Suite 200	itative an	d returned to
X Signature of LMA Repres	sentative		Date		

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	10/31/2011 11/03/2011	Richard Willoughby

LMR	Levee	Mile	Catagoni	Item	Location	Rating	Action/Comment	GPS Latitude/Lo	ngitude	Issue No.
No.	Start	End	Category	цет	tion	ing	Action/Comment	Start	End	Photo
1	0.07	0.15	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.348223 ° 37.3 -120.959593 ° -120.9	347282 ° 960470 °	4 Y
2	0.07	2.52	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	37.348222 ° 37.3 -120.959598 ° -120.9	328627 ° 934388 °	3
3	0.16	0.16	Earthen Levee	Trim / Thin Trees	WS	М	Trim trees over roadway to at least 12 feet above ground level.	37.347152 ° 37.3 -120.960560 ° -120.9	347152 ° 960560 °	7 Y
4	0.24	0.27	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.346152 ° 37.3 -120.961402 ° -120.9	345822 ° 961638 °	1
5	0.66	2.52	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.340858 ° 37.3 -120.961470 ° -120.9	328637 ° 934398 °	9 Y
6	3.18	3.18	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.321053 ° 37.3 -120.928785 ° -120.9	321053 ° 928785 °	10
7	3.72	3.74	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.313892 ° 37.3 -120.926507 ° -120.9	313598 ° 926607 °	2 Y
8	4.00	4.08	Earthen Levee	Encroachments	LS	РО	Agricultural Ditch	37.310837 ° 37.3 -120.926182 ° -120.9	310003 ° 925313 °	5 Y
9	4.20	4.20	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.308540 ° 37.3 -120.924003 ° -120.9	308540 ° 924003 °	6
10	4.45	4.71	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.306242 ° 37.3 -120.920797 ° -120.9	302563 ° 920903 °	11
11	6.04	6.64	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.303715 ° 37.3 -120.902115 ° -120.8	303838 ° 391912 °	13 Y
12	6.04	6.64	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	37.303717 ° 37.3 -120.902108 ° -120.8	303837 ° 391907 °	12
13	7.41	7.81	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.299855 ° 37.2 -120.879455 ° -120.8	298730 ° 872387 °	14
14	8.53	9.04	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	37.296267 ° 37.2 -120.860195 ° -120.8	297492 ° 851050 °	16
15	8.53	9.04	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.296262 ° 37.2 -120.860183 ° -120.8	297492 ° 851052 °	15
16	19.33	19.33	Earthen Levee	Encroachments	CR	M	Pipe Inspector Comments: Farmer installed a pipe across levee crown and landside and waterside slopes. Ramp is not according to standards.	37.200923 ° 37.2 -120.756987 ° -120.7	200923 ° 756987 °	8 Y
17	22.09	22.56	Earthen Levee	Encroachments	LS	РО	Agricultural Ditch	37.169962 ° 37.1 -120.754240 ° -120.7	166983 ° 750127 °	22 Y

\* Location

LS : Land Side

WS : Water Side CR : Crown \* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

# Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	10/31/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.07
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at der landside slope.	se vegetation on
richard_f_20111114_395.jpg	

Levee Mile Report Line	3				
Start Levee Mile	0.16				
End Levee Mile	0.16				
Location	Water Side				
Category	Earthen Levee				
Item	Trim / Thin Trees				
Looking south at tree limbs over roadway.					

richard\_f\_20111114\_396.jpg

Levee Mile Report Line	5
Start Levee Mile	0.66
End Levee Mile	2.52
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking south at typical v waterside and landside s	







richard\_f\_20111114\_397.jpg

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
ble CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	10/31/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	3.72
End Levee Mile	3.74
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Typical view of squirrel b levee	urrows in this section of
richard_f_20110922_111.jpg	

Levee Mile Report Line	7
Start Levee Mile	3.72
End Levee Mile	3.74
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking at typical view of	equirrol burrowe on

Looking at typical view of squirrel burrows on landside slope in this section of levee.

richard\_f\_20110922\_112.jpg

Levee Mile Report Line	8	
Start Levee Mile	4.00	
End Levee Mile	4.08	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
Looking south at irrigation ditch along landside toe.		

richard\_f\_20110922\_113.jpg







LS : Land Side

WS : Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
W: Watch/Monitor

N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	10/31/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	8		
Start Levee Mile	4.00		
End Levee Mile	4.08		
Location	Land Side		
Category	Earthen Levee		
Item	Encroachments		
Looking north at irrigation ditch along landside toe.			

richard\_f\_20110922\_114.jpg

Levee Mile Report Line	11
Start Levee Mile	6.04
End Levee Mile	6.64
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking couth at dance t	castation on wateraids

Looking south at dense vegetation on waterside and landside slopes.

richard\_f\_20111114\_398.jpg

Levee Mile Report Line	16
Start Levee Mile	19.33
End Levee Mile	19.33
Location	Crown
Category	Earthen Levee
Item	Encroachments
Looking north at unautho	rized pipe across crown

of levee with a ramp.

richard\_f\_20110922\_115.jpg







* Location	
------------	--

LS: Land Side

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	10/31/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	19.33
End Levee Mile	19 33
	10.00
Location	Crown
Category	Earthen Levee
,	
Item	Encroachments
Looking northwest at pipe	e on waterside slope.
	•

richard\_f\_20110922\_116.jpg

Levee Mile Report Line	16
Start Levee Mile	19.33
End Levee Mile	19.33
Location	Crown
Category	Earthen Levee
Item	Encroachments

Looking northeast at pipe on landside slope.

richard\_f\_20110922\_117.jpg

Levee Mile Report Line	16
Start Levee Mile	19.33
End Levee Mile	19.33
Location	Crown
Category	Earthen Levee
Item	Encroachments
Looking south at unautho	orized pipe across levee

and ramp.

richard\_f\_20111114\_399.jpg







Location	*	Location
----------	---	----------

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	10/31/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	17
Ctart Lavas Mila	00.00
Start Levee Mile	22.09
End Levee Mile	22 56
Location	Land Side
Category	Earthen Levee
Category	Laithen Levee
Item	Encroachments
Looking at landside ditch	at levee toe
Looking at landside diten	at levee toe.

richard\_f\_20110922\_118.jpg

richard\_f\_20110922\_119.jpg

Levee Mile Report Line	17
Start Levee Mile	22.09
End Levee Mile	22.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at dito	th along landside toe.





#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

	Water	way		Bank	Unit Miles			
	Left	7.87						
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)				
Unit Maintenance Rating (Fall Only)			M					
Date of Inspection	5/5/2011 - 5/5/2011		11/3/2011 - 11/3/2011					
DWR Inspector	Richard Willoughby		Richard Willoughby					
Accompanied By								
	vinter (or summer) inspection p							
conditions other tha	identified in the attached Leve in the results of our normal mai ed in the enclosed report.				ood project			
project components maintenance and th following changes ir (In the comment see	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions. ction below or on additional shan (Land Side, Water Side, or C	ee Inspection Report by o maintenance deficience eet(s), identify change of	Mile. In addition to the results cies identified in the report, we of condition by: Start to End Le	of our no have for evee Mile	ormal und the or GPS			
Comments								
One of the boxes above is information must also be	3	eet should be signed ar	nd dated by the LMA Represent of 31 (Winter Inspection). Pleast spection Reports , Suite 200	itative an	d returned to			
L								

Signature of LMA Representative

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/03/2011 11/03/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
No.	Start	End	Calegory	item	tion	ng	Action/Comment	Start	End	Photo
1	0.77	0.77	Earthen Levee	Erosion / Bank Caving	WS	U	Schedule repair of erosion site prior to the next inspection.	37.286877 ° -120.874222 °	37.286877 ° -120.874222 °	
2	2.30	2.30	Earthen Levee	Repair Gates	CR	U	Inspector Comments: Gate is damaged and should be replaced.	37.291678 ° -120.851438 °	37.291678 ° -120.851438 °	
3	2.33	2.33	Earthen Levee	Encroachments	LS	РО	Ramp	37.291433 ° -120.850917 °	37.291433 ° -120.850917 °	
4	3.28	3.28	Interior Drainage & Piping Systems	Flap Gates	WS	A		37.279773 ° -120.844777 °	37.279773 ° -120.844777 °	

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/03/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	1					
Start Levee Mile	0.77					
End Levee Mile	0.77					
Location	Water Side					
Category	Earthen Levee					
Item	Erosion / Bank Caving					
Looking south at major erosion on waterside slope.						
richard_f_20111114_445.jpg						

Levee Mile Report Line	1				
Start Levee Mile	0.77				
End Levee Mile	0.77				
Location	Water Side				
Category	Earthen Levee				
Item	Erosion / Bank Caving				
Looking couthoost at arcsion along waterside					

Looking southeast at erosion along waterside slope.

richard_f_20111114_447.jpg	
Levee Mile Report Line	2
Start Levee Mile	2.30
End Levee Mile	2.30
Location	Crown
Category	Earthen Levee
Item	Repair Gates
Looking at damaged gate	Э.
richard f 20111114 444.ipg	







|--|

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/03/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	3					
Start Levee Mile	2.33					
End Levee Mile	2.33					
Location	Land Side					
Category	Earthen Levee					
Item	Encroachments					
Looking northwest at unauthorized ramp on landside slope.						
richard_f_20111114_442.jpg						



Location

#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

	Water	way		Bank	Unit Miles				
	Left	5.92							
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - Febru					
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	5/5/2011 - 5/5/2011		11/3/2011 - 11/3/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
project components conditions other that	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai	ee Inspection Report by	Mile. We have found no chang	ges in flo					
During the current w project components maintenance and th following changes in	deficiencies identified in the enclosed report.  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.  (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).								
Comments									
information must also be s DWR with any additional s	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports  3310 El Camino Avenue, Suite 200  Sacramento, CA 95821-9000								

Date

Wednesday, December 21, 2011 15:07

Signature of LMA Representative

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/03/2011 11/03/2011	Richard Willoughby

LMR	Levee Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitud		Issue No.
No.	Start End	Category	Itom	tion	ng	Action/Comment	Start	End	Photo
1	7.88 13.79	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.231405 ° 120.811955 °	37.231405 ° -120.811955 °	1 Y
2	7.88 13.79	Earthen Levee	Vegetation	WS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.231407 ° 120.811953 °	37.231407 ° -120.811953 °	2

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/03/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	1				
Start Levee Mile	7.88				
End Levee Mile	13.79				
Location	Land Side				
Category	Earthen Levee				
Item	Vegetation				
Looking north at a typical view of levee slopes.					
richard_f_20111114_441.jpg					



#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

	Bank	Unit Miles								
	Right	2.16								
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)					
Unit Maintenance Rating (Fall Only)			U							
Date of Inspection	5/4/2011 - 5/4/2011		11/2/2011 - 11/2/2011							
DWR Inspector	Richard Willoughby		Richard Willoughby							
Accompanied By										
project components	vinter (or summer) inspection p	e Inspection Report by	Mile. We have found no chan	ges in flo						
conditions other that deficiencies identified	n the results of our normal mai ed in the enclosed report.	intenance and the corre	ections we have made to main	tenance						
project components maintenance and the following changes in	vinter (or summer) inspection p identified in the attached Leve le corrections we have made to in flood project conditions. ction below or on additional sho in (Land Side, Water Side, or C	e Inspection Report by maintenance deficiend eet(s), identify change of	Mile. In addition to the results cies identified in the report, we of condition by: Start to End Le	of our no have fou	ormal and the					
Comments										
One of the boxes above is information must also be DWR with any additional state.	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000									
X										
Signature of LMA Repres	sentative		Date							

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.16	11/02/2011 11/02/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Calegory	пеш	tion	ng	Action/Comment	Start	End	Photo
1	0.44	1.17	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.106122 ° -120.585670 °	37.098825 ° -120.576995 °	
2	0.44	0.44	Earthen Levee	Slope Stability	LS	М	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.106127 ° -120.585668 °	37.106127 ° -120.585668 °	
3	2.06	2.06	Earthen Levee	Erosion / Bank Caving	LS	М	Note and monitor erosion site. Inspector Comments: Erosion occuring around pipe outlet.	37.089373 ° -120.567613 °	37.089373 ° -120.567613 °	3 Y

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.16	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	1				
Start Levee Mile	0.44				
End Levee Mile	1.17				
Location	Water Side				
Category	Earthen Levee				
Item	Vegetation				
Looking southeast at dense vegetation on waterside slope.					
richard_f_20111114_433.jpg					

Levee Mile Report Line	2					
Start Levee Mile	0.44					
End Levee Mile	0.44					
Location	Land Side					
Category	Earthen Levee					
Item	Slope Stability					
and the second because the following of the second because the second						

Looking southwest at levee damage cause by vehicle traffic on landside slope.

richard\_f\_20111114\_434.jpg

1					
Levee Mile Report Line	3				
Start Levee Mile	2.06				
End Levee Mile	2.06				
Location	Land Side				
Category	Earthen Levee				
Item	Erosion / Bank Caving				
Looking northeast at erosion around pipe outlet on landside slope.					

richard\_f\_20111114\_435.jpg







LS : Land Side
WS : Water Side
CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

Waterway Bank Unit Mile									
	Unit No. 04 San	Joaquin River		Left	1.58				
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)				
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	5/4/2011 - 5/4/2011		11/2/2011 - 11/2/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
			e inspected the levee and asso						
conditions other tha			Mile. We have found no chang ections we have made to maint		od project				
project components maintenance and th following changes in	identified in the attached Leve e corrections we have made to a flood project conditions. ction below or on additional sho	ee Inspection Report by o maintenance deficient eet(s), identify change	e inspected the levee and assorting Mile. In addition to the results cies identified in the report, we of condition by: Start to End Lebon, and description of the current	of our no have fou	ormal und the or GPS				
Comments									
information must also be s	submitted. This Unit Cover She sheets by September 30 (Sum all of this information to:	eet should be signed ar	, Suite 200	tative an	d returned to				

Date

Signature of LMA Representative

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.58	11/02/2011 11/02/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Locat	Rati	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start	End	Calegory	пеш	tion	ng	Action/Comment	Start	End	Photo
1	0.32	1.49	Earthen Levee	Encroachments			Agricultural Ditch Inspector Comments: Agricultural Ditch within 10' - easement.	37.108822 ° 120.590718 °	37.096532 ° -120.578027 °	

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.58	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	1				
Start Levee Mile	0.32				
End Levee Mile	1.49				
Location	Crown				
Category	Earthen Levee				
Item	Encroachments				
Looking northeast at irrigation canal along landside toe.					
richard_f_20111114_437.jpg					
Levee Mile Report Line 1					

Levee Mile Report Line	1			
Start Levee Mile	0.32			
End Levee Mile	1.49			
Location	Crown			
Category	Earthen Levee			
Item	Encroachments			
Looking north at irrigation canal along landside toe.				





richard\_f\_20111114\_438.jpg

#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

	Water	way		Bank	Unit Miles	
	Right	34.75				
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)		
Unit Maintenance Rating (Fall Only)			Α			
Date of Inspection	5/2/2011 - 5/5/2011		10/31/2011 - 11/1/2011			
DWR Inspector	Richard Willoughby		Richard Willoughby			
Accompanied By						
Check one:						
project components conditions other tha	vinter (or summer) inspection p identified in the attached Leve n the results of our normal mai ed in the enclosed report.	e Inspection Report by	Mile. We have found no chan	ges in flo		
project components maintenance and th following changes in	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions. ction below or on additional she	ee Inspection Report by maintenance deficience	Mile. In addition to the results cies identified in the report, we	of our no have fou	ormal und the	
	(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).					
Comments						
information must also be s DWR with any additional s	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000					
(						

Date

Signature of LMA Representative

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	10/31/2011 11/01/2011	Richard Willoughby

LMR No.	Levee	e Mile End	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude Start End	No. Photo
1	2.81	2.86	Earthen Levee	Trim / Thin Trees	LS	М	Thin trees to allow visibility of the ground and room to flood fight.	37.256803 ° 37.256835 ° -120.785407 ° -120.784528 °	
2	3.32	3.32	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	37.255297 ° 37.255297 ° -120.777032 ° -120.777032 °	
3	3.54	3.54	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Downed tree limb on landside slope and toe.	37.255192 ° 37.255192 ° -120.773595 ° -120.773595 °	
4	6.50	6.50	Earthen Levee	Animal Control	WS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.230497 ° 37.230497 ° -120.727263 ° -120.727263 °	15
5	6.58	6.58	Earthen Levee	Repair Gates	CR	М		37.229807 ° 37.229807 ° -120.726538 ° -120.726538 °	
6	6.58	6.58	Earthen Levee	Animal Control	LS	М	Repair the levee slope damaged by livestock and prevent large animal access.	37.229733 ° 37.229733 ° -120.726450 ° -120.726450 °	7 Y
7	6.58	8.09	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.229733 ° 37.213520 ° -120.726450 ° -120.706475 °	
8	8.06	8.06	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.213600 ° 37.213600 ° -120.706630 ° -120.706630 °	
9	8.83	8.83	Earthen Levee	Animal Control	WS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.205778 ° 37.205778 ° -120.696843 ° -120.696843 °	5
10	11.48	11.48	Earthen Levee	Encroachments	LS	М	Garbage Inspector Comments: Sofa and chair on landside slope.	37.186510 ° 37.186510 ° -120.657923 ° -120.657923 °	
11	11.49	11.49	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	37.186440 ° 37.186440 ° -120.657870 ° -120.657870 °	
12	25.49	25.54	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.047630 ° 37.047042 ° -120.488530 ° -120.488092 °	9
13	29.80	29.80	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.017540 ° 37.017540 ° -120.431955 ° -120.431955 °	16
14	34.50	34.50	Earthen Levee	Encroachments	ws	PO	Ramp Inspector Comments: Unauthorized ramp on waterside slope.	36.978555 ° 36.978555 ° -120.368467 ° -120.368467 °	

\* Location

LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable PO M : Minimally Acceptable CO U : Unacceptable W

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	10/31/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	2.81
End Levee Mile	2.86
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking south at dense t	rees on landside slope.

Levee Mile Report Line	2			
Start Levee Mile	3.32			
End Levee Mile	3.32			
Location	Land Side			
Category	Earthen Levee			
Item	Trim / Thin Trees			
Looking couth at trace on landaide too				

Looking south at trees on landside toe

richard\_f\_20111114\_401.jpg

richard\_f\_20111114\_400.jpg

nonard_i_zorriria_aor.jpg	
Levee Mile Report Line	3
Start Levee Mile	3.54
End Levee Mile	3.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at downed toe.	tree limb on landside
richard_f_20111114_402.jpg	







LS : Land Side

WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	10/31/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	5		
Start Levee Mile	6.58		
End Levee Mile	6.58		
Location	Crown		
Category	Earthen Levee		
Item	Repair Gates		
Looking south at damaged gate.			

richard\_f\_20110922\_123.jpg

6
6.58
6.58
Land Side
Earthen Levee
Animal Control

Looking east at levee slope damage by livestock on landside slope.

richard\_f\_20111114\_412.jpg

Levee Mile Report Line	7
Start Levee Mile	6.58
End Levee Mile	8.09
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Looking east at rutting ca on levee crown.	use by livestock traffic
richard f 20111114 411.jpg	







* Location	
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WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	10/31/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	11.48
End Levee Mile	11.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at gar	bage on landside slope.

richard\_f\_20111114\_403.jpg

11
11.49
11.49
Land Side
Earthen Levee
Trim / Thin Trees

Looking south at downed tree limb on landside slope and toe.

richard\_f\_20111114\_404.jpg

Levee Mile Report Line	14
Start Levee Mile	34.50
End Levee Mile	34.50
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at unauthorized ramp on landside slope.

richard\_f\_20111114\_405.jpg







* Location
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LS : Land Side

WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

#### **Unit Cover Sheet**

#### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

	36.38 Vinter per - February)					
Unit Maintenance Rating (Fall Only)  Date of Inspection 5/3/2011 - 5/5/2011  DWR Inspector Richard Willoughby Richard Willoughby  Accompanied By  Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
Unit Maintenance Rating (Fall Only)  Date of Inspection 5/3/2011 - 5/5/2011  DWR Inspector Richard Willoughby Richard Willoughby  Accompanied By  Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
(Fall Only)  Date of Inspection 5/3/2011 - 5/5/2011 11/2/2011 - 11/2/2011  DWR Inspector Richard Willoughby Richard Willoughby  Accompanied By  Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
DWR Inspector Richard Willoughby Richard Willoughby  Accompanied By  Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. We have found no changes in floo conditions other than the results of our normal maintenance and the corrections we have made to maintenance						
During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flo project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our nor maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have four following changes in flood project conditions.	od project ood ormal nd the					
(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile of coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current conditions.	ction below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS n (Land Side, Water Side, or Crown), Item identification, and description of the current condition).					
Comments						
One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, addition information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000	d returned to					

X

Signature of LMA Representative

Date

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/02/2011 11/02/2011	Richard Willoughby

LMR	Levee	Mile	Catagony	Itom	Location *	Rating	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	Item	tion	ing	Action/Comment	Start	End	Photo
1	4.67	4.67	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.  Inspector Comments: Several rodent holes on levee crown.	37.244012 ° -120.761372 °	37.244012 ° -120.761372 °	
2	4.72	4.72	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes next to gate post on waterside shoulder.	37.243540 ° -120.760782 °	37.243540 ° -120.760782 °	
3	5.83	5.83	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.238355 ° -120.742677 °	37.238355 ° -120.742677 °	
4	6.12	6.12	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.235777 ° -120.738598 °	37.235777 ° -120.738598 °	
5	6.15	6.15	Earthen Levee	Animal Control	WS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.235623 ° -120.738017 °	37.235623 ° -120.738017 °	
6	7.17	7.17	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.226675 ° -120.724498 °	37.226675 ° -120.724498 °	
7	9.81	10.82	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage. Inspector Comments: Levee crown should be regraded due to excessive wash board.	37.200697 ° -120.692927 °	37.190315 ° -120.680265 °	
8	14.91	17.23	Earthen Levee	Crown Surface / Depressions / Rutting	LS	W	Keep the crown roadway free of vegetation.	37.163025 ° -120.630648 °	37.141161 ° -120.599867 °	
9	22.90	22.96	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.088663 ° -120.538193 °	37.087968 ° -120.537485 °	
10	24.50	24.93	Earthen Levee	Slope Stability	LS	М	Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Landside erosion caused by livestock	37.071198 ° -120.519220 °	0	9
11	27.56	27.87	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Landside erosion caused by livestock.	37.036955 ° -120.484395 °	37.032887 ° -120.481225 °	
12	28.62	28.62	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.030102 ° -120.469122 °	37.030102 ° -120.469122 °	
13	31.01	31.01	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.017955 ° -120.435017 °	37.017955 ° -120.435017 °	
14	35.27	36.16	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.974650 ° -120.383022 °	36.974430 ° -120.367090 °	

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WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

# Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/02/2011 11/02/2011	Richard Willoughby

1
4.67
4.67
Crown
Earthen Levee
Animal Control
on crown of levee.

Levee Mile Report Line	1
Start Levee Mile	4.67
End Levee Mile	4.67
Location	Crown
Category	Earthen Levee
Item	Animal Control
Looking north at several crown.	rodent holes on levee

richard\_f\_20111114\_432.jpg

richard\_f\_20110922\_124.jpg

Levee Mile Report Line	10	
Start Levee Mile	24.50	
End Levee Mile	24.93	
Location	Land Side	
Category	Earthen Levee	
Item	Slope Stability	
Looking north at livestock traffic along landside slope.		
richard_f_20111114_430.jpg		







* 1	ocation	

LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	24.50
End Levee Mile	24.93
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking south at livestoc slope.	k traffic along landside

richard\_f\_20111114\_431.jpg

Levee Mile Report Line	11	
Start Levee Mile	27.56	
End Levee Mile	27.87	
Location	Land Side	
Category	Earthen Levee	
Item	Slope Stability	
I and disconstruction at language livenstands traffing an		

Looking north at heavy livestock traffic on landside shoulder and slope.

richard\_f\_20111114\_428.jpg

Levee Mile Report Line	11
Start Levee Mile	27.56
End Levee Mile	27.87
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking south at livestoc slope.	k traffic along landside

richard\_f\_20111114\_429.jpg







LS : Land Side

WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	13	
Start Levee Mile	31.01	
End Levee Mile	31.01	
Location	Land Side	
Category	Earthen Levee	
Item	Animal Control	
Looking at typical rodent holes on landside slope.		
richard_f_20111114_427.jpg		



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Bank	Unit Miles							
	Unit No. 07 Bear	Creek Bypass		Right	3.62				
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)					
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	5/2/2011 - 5/2/2011		10/31/2011 - 10/31/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
Check one:									
project components conditions other that	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai ed in the enclosed report.	e Inspection Report by	Mile. We have found no chan	ges in flo					
project components maintenance and th following changes in	vinter (or summer) inspection p i identified in the attached Leve de corrections we have made to n flood project conditions.	ee Inspection Report by o maintenance deficien	Mile. In addition to the results cies identified in the report, we	of our no have fou	ormal und the				
	ction below or on additional sho n (Land Side, Water Side, or C								
Comments									
information must also be DWR with any additional	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000								
v									

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/31/2011 10/31/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Calegory	item	tion	ng	Action/Comment	Start	End	Photo
1	0.78	3.62	Earthen Levee	Vegetation	WS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.262208 ° -120.762568 °	37.254778 ° -120.719718 °	
2	0.78	3.62	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.262212 ° -120.762558 °	37.254777 ° -120.719722 °	
3	1.51	1.51	Earthen Levee	Animal Control	LS	М	Repair the levee slope damaged by livestock and prevent large animal access.	37.263930 ° -120.750680 °	37.263930 ° -120.750680 °	

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	1								
Start Levee Mile	0.78								
End Levee Mile	3.62								
Location	Water Side								
Category	Earthen Levee								
Item	Vegetation								
Looking west at typical overview of waterside slope.									

richard\_f\_20111107\_382.jpg

Levee Mile Report Line	2								
Start Levee Mile	0.78								
End Levee Mile	3.62								
Location	Land Side								
Category	Earthen Levee								
Item	Vegetation								
Looking east at typical view of landside slope.									

richard\_f\_20111107\_380.jpg

Levee Mile Report Line	3						
Start Levee Mile	1.51						
End Levee Mile	1.51						
Location	Land Side						
Category	Earthen Levee						
Item	Animal Control						
Looking south at damaged by livestock on landside slope.							

richard\_f\_20111107\_381.jpg







* Loc	atic	n	

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Water	way		Bank	Unit Miles				
	Unit No. 08 Bear			Left	3.63				
	Spring (March - May)	Summer (June - August)	(September - November)		Winter ber - February)				
Unit Maintenance Rating (Fall Only)	( ) ( )	(11 11 13 11 17	Α	( 111	<b>/</b> /				
Date of Inspection	5/2/2011 - 5/2/2011		10/31/2011 - 10/31/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
Check one:									
<ul> <li>During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.</li> <li>During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.</li> <li>(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).</li> </ul>									
Comments									
information must also be s	submitted. This Unit Cover She sheets by September 30 (Sum all of this information to:	eet should be signed ar	e, Suite 200	itative an	d returned to				

Date

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/31/2011 10/31/2011	Richard Willoughby

LMR	Levee	Levee Mile Start   End   Category   Item   * To   *		Action/Comment	GPS Latitud	Issue No.				
No.	Start	End	Category	item	tion	ing	Action/Comment	Start	End	Photo
1	0.00	3.46	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.253083 ° -120.768463 °	37.253280 ° -120.721613 °	4 Y
2	1.42	1.42	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.263077 ° -120.751528 °	37.263077 ° -120.751528 °	2
3	1.61	1.61	Earthen Levee	Animal Control	WS	М	Exterminate rodents and backfill and compact or grout burrows.	37.261842 ° -120.748510 °	37.261842 ° -120.748510 °	1
4	2.12	2.12	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.257688 ° -120.741573 °	37.257688 ° -120.741573 °	7 Y
-	3.40	3.54	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.253052 ° -120.722647 °	37.253600 ° -120.720198 °	3

LS : Land Side WS : Water Side CR : Crown A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

C : Corrected

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/31/2011 10/31/2011	Richard Willoughby

1
0.00
3.46
Land Side
Earthen Levee
Vegetation
ew of levee.

richard_	f	2011	11107	_383.jpg
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Levee Mile Report Line	4
Start Levee Mile	2.12
End Levee Mile	2.12
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking at typical view of rodent holes on landside slope and toe.

richard\_f\_20111107\_384.jpg





### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Water	wav		Bank	Unit Miles
	Unit No. 09 Owens			Right	0.88
	Spring (March - May)	Summer (June - August)	(September - November)		Winter ber - February)
Unit Maintenance Rating (Fall Only)	(control control contr	(care ragacy	U	(======================================	
Date of Inspection	5/4/2011 - 5/4/2011		10/31/2011 - 10/31/2011		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai and in the enclosed report.	e Inspection Report by	Mile. We have found no change	ges in flo	
project components maintenance and th following changes in	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to n flood project conditions.	ee Inspection Report by maintenance deficience	Mile. In addition to the results cies identified in the report, we	of our no have fou	ormal und the
	ction below or on additional sho n (Land Side, Water Side, or C				
Comments					
information must also be s	3	eet should be signed ar	nd dated by the LMA Represent ch 31 (Winter Inspection). Pleat aspection Reports e, Suite 200	itative an	d returned to

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.88	10/31/2011 10/31/2011	Richard Willoughby

LMR No	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	de/Longitude End	Issue No. Photo
1	0.00	0.40	Earthen Levee	Crown Surface / Depressions / Rutting		M	Add appropriate gravel or road base. Grade and compact.	37.220193 ° -120.712993 °	37.219950 °	2
2	0.00	0.87	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Landside slope and crown has heavy livestock traffic.	37.220185 ° -120.712990 °	37.220032 ° -120.698282 °	1 Y

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.88	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking at a typical view	of levee.
richard_f_20111107_385.jpg	



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Water	wav		Bank	Unit Miles
	Unit No. 10 Owens	s Creek Bypass		Left	0.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			U		
Date of Inspection	5/4/2011 - 5/4/2011		10/31/2011 - 10/31/2011		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai and in the enclosed report.	e Inspection Report by	Mile. We have found no chan	ges in flo	
project components maintenance and th following changes in	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions.	e Inspection Report by maintenance deficiend	Mile. In addition to the results cies identified in the report, we	of our no have for	ormal und the
	ction below or on additional sho n (Land Side, Water Side, or C				
Comments					
information must also be s	3	eet should be signed ar	nd dated by the LMA Represer ch 31 (Winter Inspection). Plea aspection Reports e, Suite 200	itative an	nd returned to

X

Signature of LMA Representative

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.82	10/31/2011 10/31/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Rating ** Locatio		Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Calegory	ileiii	ation	ng	Action/Comment	Start	End	Photo
1	0.00	0.80	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.217983 ° -120.711388 °	37.219322 ° -120.698155 °	
2	0.00	0.80	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.217982 ° -120.711388 °	37.219325 ° -120.698157 °	

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.82	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	2					
Start Levee Mile	0.00					
End Levee Mile	0.80					
Location	Land Side					
Category	Earthen Levee					
Item	Vegetation					
Looking at a typical view of levee.						
richard_f_20111107_386.jpg						



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Bank	Unit Miles								
	Right	3.31								
	Spring (March - May)		Winter ber - February)							
Unit Maintenance Rating (Fall Only)			Α							
Date of Inspection	5/5/2011 - 5/5/2011		11/2/2011 - 11/2/2011							
DWR Inspector	Richard Willoughby		Richard Willoughby							
Accompanied By										
Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.  (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).  Comments  One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000										

Date

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/02/2011 11/02/2011	Richard Willoughby

LMR	Levee Mile Category		Item * tion		Rating	Action/Comment	GPS Latitu	Issue No.		
No.	Start	End	Calegory	item	tion	ng	Action/Comment	Start	End	Photo
1	0.00	3.29	Earthen Levee	Vegetation	WS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.202315 ° -120.695330 °	37.202315 ° -120.695330 °	
2	1.77	1.77	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.202743 ° -120.723187 °	37.202743 ° -120.723187 °	
3	3.30	3.30	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.  Inspector Comments: Vegetation complies to O & M standards.	37.202312 ° -120.695318 °	37.202312 ° -120.695318 °	2

N : Not Inspected, see Inspector Comment

C : Corrected

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	1					
Start Levee Mile	0.00					
End Levee Mile	3.29					
Location	Water Side					
Category	Earthen Levee					
Item	Vegetation					
Looking north at a typical view of levee.						
richard_f_20111117_462.jpg						



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Water	wav		Bank	Unit Miles				
	Left	3.33							
	Spring (March - May)								
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	5/5/2011 - 5/5/2011		11/3/2011 - 11/3/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
Check one:									
<ul> <li>During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.</li> <li>During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.</li> <li>(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).</li> </ul>									
Comments									
One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports  3310 El Camino Avenue, Suite 200  Sacramento, CA 95821-9000									

Signature of LMA Representative

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/03/2011 11/03/2011	Richard Willoughby

LMR.	Levee	Mile	Category	Item	* To contain the state of the s		GPS Latitud	GPS Latitude/Longitude		
No.	Start	End	Culcyony	item	ion	ng	7 tottorii Comment	Start	End	Photo
	0.00	3.33	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	37.200935 ° -120.755175 °	37.200935 ° -120.755175 °	3 Y
-	2.33	2.33	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.200907 ° -120.712978 °	37.200907 ° -120.712978 °	1

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/03/2011 11/03/2011	Richard Willoughby

Levee Mile Report Line	1						
Start Levee Mile	0.00						
End Levee Mile	3.33						
Location	Land Side						
Category	Earthen Levee						
Item	Vegetation						
Looking north at a typical view of levee slopes. (November 2011)							
richard_f_20111114_440.jpg							



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Bank Right	Unit Miles									
	Spring Summer (September - November) (March - May) (June - August) Fall										
Unit Maintenance Rating (Fall Only)	( 2 2 2)	(11 1 1311)	U	( 111	ber - February)						
Date of Inspection	5/3/2011 - 5/3/2011		11/1/2011 - 11/1/2011								
DWR Inspector	Richard Willoughby		Richard Willoughby								
Accompanied By											
Check one:											
project components conditions other that	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai ed in the enclosed report.	e Inspection Report by	Mile. We have found no chan	ges in flo							
project components maintenance and th	vinter (or summer) inspection p identified in the attached Leve le corrections we have made to inflood project conditions.	e Inspection Report by	Mile. In addition to the results	of our no	ormal						
	ction below or on additional sho n (Land Side, Water Side, or C										
Comments											
information must also be DWR with any additional	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000										
,											

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.28	11/01/2011 11/01/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Locatio	Rating	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Culcyony	item	ion	ng	7 tottorii Gorinnent	Start	End	Photo
1	0.02	1.26	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	37.033982 ° -120.441997 °	37.046320 ° -120.428138 °	
2	0.14	0.14	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.035697 ° -120.441197 °	37.035697 ° -120.441197 °	

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.28	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	1					
Start Levee Mile	0.02					
End Levee Mile	1.26					
Location						
Category	Earthen Levee					
Item	Vegetation					
Looking at typical view of levee.						
richard_f_20111107_387.jpg						



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Water	way		Bank	Unit Miles			
	Left	1.28						
	Loit	1.20						
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)			
Unit Maintenance Rating (Fall Only)			U					
Date of Inspection	5/3/2011 - 5/3/2011		11/1/2011 - 11/1/2011					
DWR Inspector	Richard Willoughby		Richard Willoughby					
Accompanied By								
Check one:								
project components conditions other that deficiencies identified  During the current was project components maintenance and the following changes in the comment see the comment see the comment see the comment see the conditions of the condi	<ul> <li>During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.</li> <li>During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.</li> <li>(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).</li> </ul>							
Comments								
information must also be	3	eet should be signed ar	nd dated by the LMA Represent the 31 (Winter Inspection). Pleast spection Reports to Suite 200	itative an	d returned to			

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	11/01/2011 11/01/2011	Richard Willoughby

LMR	E Levee Mile		Item * at * at 1	Rating	Action/Comment		GPS Latitude/Longitude			
No.	Start	End	Category	item	ocation	ing	Action/Comment	Start	End	Photo
1	0.00	1.28	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.032400 ° -120.441237 °	37.045520 ° -120.427340 °	
2	0.00	1.28	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	37.032400 ° -120.441237 °	37.045520 ° -120.427340 °	2
3	0.08	0.08	Channels	Concrete Foundations	WS	М	Inspector Comments: Erosion on downstream side of structure	37.033473 ° -120.440802 °	37.033473 ° -120.440802 °	

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	1					
Start Levee Mile	0.00					
End Levee Mile	1.28					
Location	Land Side					
Category	Earthen Levee					
Item	Vegetation					
Looking at typical view of levee.						

richard\_f\_20111107\_388.jpg

Levee Mile Report Line	3
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Channels
Item	Concrete Foundations

Looking at erosion on downstream side of structure.

richard\_f\_20111107\_389.jpg

Levee Mile Report Line	3
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Channels
Item	Concrete Foundations
Looking south at erosion the channel.	at and near structure in

richard\_f\_20111107\_390.jpg







* Location	
LS : Land Side	
WS : Water Side	
CR : Crown	

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Bank Right	Unit Miles 2.03					
	Unit No. 15 Ber	enda Siougii		Tagni	2.03		
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)			
Unit Maintenance Rating (Fall Only)			U				
Date of Inspection	5/3/2011 - 5/3/2011		11/1/2011 - 11/1/2011				
DWR Inspector	Richard Willoughby		Richard Willoughby				
Accompanied By							
Check one:							
project components conditions other that deficiencies identified.  During the current with project components maintenance and the	vinter (or summer) inspection p identified in the attached Leve n the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve he corrections we have made to n flood project conditions.	ee Inspection Report by intenance and the correservice, my staff or I have the Inspection Report by	Mile. We have found no change ctions we have made to maint e inspected the levee and assorting. In addition to the results	ges in flo tenance ociated fl of our no	ood project ood ormal		
	ction below or on additional sho n (Land Side, Water Side, or C						
Comments							
information must also be a DWR with any additional s	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000						
Y							

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	11/01/2011 11/01/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitue		e Issue No.	
No.	Start	End	Calegory	item	tion	ng	Action/Comment	Start	End	Photo	
1	0.01	1.51	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	36.996535 ° -120.410155 °	36.996563 ° -120.383097 °		
2	1.52	1.99	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	36.996572 ° -120.382907 °	36.996587 ° -120.374503 °		
3	1.52	1.64	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.996570 ° -120.382905 °	36.996577 ° -120.380748 °		

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	1					
Start Levee Mile	0.01					
End Levee Mile	1.51					
Location	Land Side					
Category	Earthen Levee					
Item Vegetation						
Looking at typical view of	f levee.					
richard_f_20111107_391.jpg						
Levee Mile Report Line 2						

Levee Mile Report Line	2				
Start Levee Mile	1.52				
End Levee Mile	1.99				
Location	Water Side				
Category	Earthen Levee				
Item	Vegetation				
Looking at dense vegetation on landside and waterside slope.					
richard_f_20111107_392.jpg					





### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

Waterway Bank Unit Miles									
	Left	1.98							
	Unit No. 16 Ber								
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)					
Unit Maintenance Rating (Fall Only)			U						
Date of Inspection	5/3/2011 - 5/3/2011		11/1/2011 - 11/1/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
project components conditions other that deficiencies identified.  During the current with project components maintenance and the following changes in	Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.  (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS								
Comments									
One of the boxes above is information must also be DWR with any additional state.	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000								

Date

Wednesday, December 21, 2011 15:08

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.98	11/01/2011 11/01/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longit		Issue No.
No.	Start	End	Calegory	item	tion	ng	Action/Comment	Start	End	Photo
1	1.42	1.97	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	36.995473 ° -120.383472 °	36.995483 ° -120.373568 °	
2	1.42	1.97	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	36.995473 ° -120.383472 °	36.995488 ° -120.373568 °	
3	1.77	1.77	Earthen Levee	Slope Stability	LS	М	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	36.995488 ° -120.377152 °	36.995488 ° -120.377152 °	

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.98	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	2				
Start Levee Mile	1.42				
End Levee Mile	1.97				
Location	Water Side				
Category	Earthen Levee				
Item	Vegetation				
Looking at dense tumble weeds on landside and waterside slope.					
richard_f_20111107_393.jpg					
	_				

Пспага_1_20111107_333.jpg					
Levee Mile Report Line	3				
Start Levee Mile	1.77				
End Levee Mile	1.77				
Location	Land Side				
Category	Earthen Levee				
Item	Slope Stability				
Looking at landside damage cause by vehicle traffic.					
richard_f_20111107_394.jpg					





### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

	Bank Right	Unit Miles 16.09				
	Unit No. 17 Chowch	ша Сапаг Буразз		ragiit	10.03	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)		
Unit Maintenance Rating (Fall Only)			Α			
Date of Inspection	5/3/2011 - 5/3/2011		11/1/2011 - 11/1/2011			
DWR Inspector	Richard Willoughby		Richard Willoughby			
Accompanied By						
Check one:						
project components conditions other that deficiencies identified  During the current was project components maintenance and the following changes in the comment see	vinter (or summer) inspection pridentified in the attached Leven the results of our normal mailed in the enclosed report.  vinter (or summer) inspection pridentified in the attached Levene corrections we have made to a flood project conditions.  ction below or on additional short (Land Side, Water Side, or Conditions).	ee Inspection Report by intenance and the corresponding to the corresponding to the corresponding to the Inspection Report by a maintenance deficience detices, identify change of the corresponding to the corresponding t	Mile. We have found no change to maint ections we have made to maint e inspected the levee and assort Mile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flotenance ociated floor not have for	ood project  ood  ormal  und the	
	Tr (Land Side, Water Side, Or C	nown), nem identification	on, and description of the curre	ent condi		
information must also be	3	eet should be signed ar	nd dated by the LMA Represent ch 31 (Winter Inspection). Pleast spection Reports charges, Suite 200	itative an	d returned to	
L						
Y						

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/01/2011 11/01/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
No.	Start	End	- Calogory	itom	ion	ρſ	7 (0.001) 0 0 1111110110	Start	End	Photo
1	4.69	4.69	Earthen Levee	Encroachments	CR	M	Pipe Inspector Comments: Farmer installed 10" steel irrigation pipe across levee crown.	36.923368 ° -120.336500 °	36.923368 ° -120.336500 °	1 Y
2	6.51	6.60	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	36.898124 ° -120.326714 °	36.896943 ° -120.326133 °	4 Y
3	7.27	7.39	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	36.887869 ° -120.321697 °	36.886341 ° -120.320940 °	5
4	8.11	8.28	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	36.876132 ° -120.317926 °	36.873749 ° -120.317465 °	6

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	1							
Start Levee Mile	4.69							
End Levee Mile	4.69							
Location	Crown							
Category	Earthen Levee							
Item	Encroachments							
Looking south at unauthorized pipe across levee crown.								

richard\_f\_20111114\_413.jpg

Levee Mile Report Line	2
Start Levee Mile	6.51
End Levee Mile	6.60
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking west at typical rodent holes on landside slope.

richard\_f\_20111114\_414.jpg

Levee Mile Report Line	2						
Start Levee Mile	6.51						
End Levee Mile	6.60						
Location	Land Side						
Category	Earthen Levee						
Item	Animal Control						
Looking west at typical view of rodent holes on landside slope.							

richard\_f\_20111114\_415.jpg







*	Location	

LS : Land Side

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

## **Lower San Joaquin Levee District**

Waterway Bank Unit Miles												
	Unit No. 18 Chowch			Left	15.33							
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)							
Unit Maintenance Rating (Fall Only)	(	(11 11 13 11)	M	( ) )								
Date of Inspection	5/3/2011 - 5/3/2011		11/2/2011 - 11/2/2011									
DWR Inspector	Richard Willoughby		Richard Willoughby									
Accompanied By												
Check one:												
project components conditions other tha	vinter (or summer) inspection p identified in the attached Leve n the results of our normal mai ed in the enclosed report.	e Inspection Report by	Mile. We have found no chang	ges in flo								
project components maintenance and th following changes in	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions.	ee Inspection Report by maintenance deficience	Mile. In addition to the results cies identified in the report, we	of our no have fou	ormal und the							
	ction below or on additional she n (Land Side, Water Side, or C											
Comments												
information must also be a DWR with any additional s	s to be checked by the Local M submitted. This Unit Cover She sheets by September 30 (Sum	eet should be signed ar	nd dated by the LMA Represen	tative an	d returned to							
your records. Please mail	3	OWR Summer/Winter In 310 El Camino Avenue acramento, CA 95821-	e, Suite 200									

Signature of LMA Representative

Date

### Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.33	11/02/2011 11/02/2011	Richard Willoughby

LMR	Levee Mile Category		Item *ation		Rating	Action/Comment	GPS Latitud	Issue No.		
No.	Start	End	Calegory	item	tion	ng	Action/Comment	Start	End	Photo
1	7.53	8.78	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense tumble weed on landside and waterside shoulder.	36.872307 ° -120.319380 °	36.854355 ° -120.316502 °	
2	8.04	8.04	Earthen Levee	Encroachments	WS	М	Garbage Inspector Comments: Garbage on waterside shoulder.	36.865062 ° -120.317977 °	36.865062 ° -120.317977 °	
3	11.86	13.15	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense tumble weed on landside and waterside shoulder and slope	36.815400 ° -120.305080 °	36.797353 ° -120.308560 °	

### Levee Inspection Report By Mile - Fall 2011

## **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.33	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	8.04
End Levee Mile	8.04
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at garbage on waterside slope	

Looking northeast at garbage on waterside slope.

richard\_f\_20111114\_426.jpg

Levee Mile Report Line	3
Start Levee Mile	11.86
End Levee Mile	13.15
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking north at tumble weed along landside and	

waterside shoulders.

richard\_f\_20111114\_425.jpg





### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

Unit No. 22A Ea Spring (March - May)	st Side Canal Summer (June - August)	(September - November)	Left	5.50				
			,					
		Fall		Winter ber - February)				
		Α						
5/2/2011 - 5/2/2011		10/31/2011 - 10/31/2011						
Richard Willoughby		Richard Willoughby						
Check one:  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.  During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.  (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).								
Comments  One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports  3310 El Camino Avenue, Suite 200  Sacramento, CA 95821-9000								
	Richard Willoughby  inter (or summer) inspection p identified in the attached Leve in the results of our normal mai id in the enclosed report.  inter (or summer) inspection p identified in the attached Leve is corrections we have made to flood project conditions.  It in below or on additional she in (Land Side, Water Side, or Co it is to be checked by the Local M is submitted. This Unit Cover She is theets by September 30 (Summall of this information to:	Richard Willoughby  inter (or summer) inspection period, my staff or I have identified in the attached Levee Inspection Report by a the results of our normal maintenance and the correction to in the enclosed report.  inter (or summer) inspection period, my staff or I have identified in the attached Levee Inspection Report by a corrections we have made to maintenance deficience flood project conditions.  In (Land Side, Water Side, or Crown), Item identification to be checked by the Local Maintaining Agency (LMA) submitted. This Unit Cover Sheet should be signed and theets by September 30 (Summer Inspection) or Marchael of this information to:  DWR Summer/Winter Inspection Avenue	S/2/2011 - 5/2/2011  Richard Willoughby  Inter (or summer) inspection period, my staff or I have inspected the levee and associatentified in the attached Levee Inspection Report by Mile. We have found no change the results of our normal maintenance and the corrections we have made to mainted in the enclosed report.  Inter (or summer) inspection period, my staff or I have inspected the levee and associatentified in the attached Levee Inspection Report by Mile. In addition to the results are corrections we have made to maintenance deficiencies identified in the report, we flood project conditions.  Stion below or on additional sheet(s), identify change of condition by: Start to End Lean (Land Side, Water Side, or Crown), Item identification, and description of the current to be checked by the Local Maintaining Agency (LMA). If the second box is checked submitted. This Unit Cover Sheet should be signed and dated by the LMA Representation to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200	inter (or summer) inspection period, my staff or I have inspected the levee and associated flidentified in the attached Levee Inspection Report by Mile. We have found no changes in floid in the results of our normal maintenance and the corrections we have made to maintenance din the enclosed report.  Inter (or summer) inspection period, my staff or I have inspected the levee and associated flidentified in the attached Levee Inspection Report by Mile. In addition to the results of our not a corrections we have made to maintenance deficiencies identified in the report, we have four flood project conditions.  It is below or on additional sheet(s), identify change of condition by: Start to End Levee Mile in (Land Side, Water Side, or Crown), Item identification, and description of the current conditions.  It is be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200				

Signature of LMA Representative

Date

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

<b>-</b>	☐ Levee Mile     ☐ R       ☐ GPS Latitude/Longitude   Issue							CDC L of:ture	امال معمنانیاء	Issue
LMR			Category	Item	Location *	Rating	Action/Comment			No.
No.	Start	End			on	g		Start	End	Photo
1	0.10	0.10	Earthen Levee	Erosion / Bank Caving	WS	М	Note and monitor erosion site. Inspector Comments: Erosion located next to screw gate.	37.206985 ° -120.696225 °	37.206985 ° -120.696225 °	7 Y
2	0.68	0.88	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.215360 ° -120.698078 °	37.218128 ° -120.697457 °	8
3	3.44	3.44	Earthen Levee	Animal Control	WS	М	Repair the levee slope damaged by livestock and prevent large animal access.	37.251372 ° -120.715320 °	37.251372 ° -120.715320 °	2
4	3.65	3.65	Earthen Levee	Animal Control	WS	M	Repair the levee slope damaged by livestock and prevent large animal access. Inspector Comments: There're several slope stability along this channel cause by animal foot traffic that need to be monitored.	37.253465 ° -120.717952 °	37.253465 ° -120.717952 °	1 Y
5	3.85	3.85	Channels	Encroachments	WS	M	Inspector Comments: Stevenson Irrigation District contructed a concrete weir across channel without a permit. Still waiting for permit.	37.255568 ° -120.720551 °	37.255568 ° -120.720551 °	4 Y
6	4.68	4.68	Channels	Encroachments	WS	М	Inspector Comments: Old wooden bridge in channel should be removed.	37.264250 ° -120.731280 °	37.264250 ° -120.731280 °	3 Y
7	4.80	4.86	Earthen Levee	Animal Control	WS	М	Repair the levee slope damaged by livestock and prevent large animal access. Inspector Comments: Erosion caused by livestock on waterside toe.	37.265180 ° -120.732745 °	37.265743 ° -120.733602 °	5 Y
8	4.81	4.84	Earthen Levee	Crown Surface / Depressions / Rutting	CR	М	Add appropriate gravel or road base. Grade and compact.	37.265330 ° -120.732960 °	37.265705 ° -120.733553 °	10
9	5.07	5.10	Earthen Levee	Crown Surface / Depressions / Rutting	CR	М	Regrade the crown roadway for proper drainage. Inspector Comments: Minor rutting on levee crown.	37.267682 ° -120.736597 °	37.267967 ° -120.736913 °	9 Y
10	5.15	5.20	Earthen Levee	Animal Control	WS	М	Repair the levee slope damaged by livestock and prevent large animal access. Inspector Comments: Erosion caused by livestock on waterside toe.	37.268492 ° -120.737493 °	37.269133 ° -120.738208 °	6 Y

*	Loc	atic	n		

LS : Land Side WS : Water Side CR : Crown \*\* Rating

M : Acceptable PO : Partially Obstructing
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	1			
Start Levee Mile	0.10			
End Levee Mile	0.10			
Location	Water Side			
Category	Earthen Levee			
Item	Erosion / Bank Caving			
Looking downstream at erosion around screw gate can on waterside slope.				

richard\_f\_20110922\_133.jpg

Levee Mile Report Line	1
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking upstream at erosion around screw gate can.

richard\_f\_20110922\_134.jpg

Levee Mile Report Line	1
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking at erosion near and around screw gate can.

richard\_f\_20110922\_135.jpg







*	Location	

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	4				
Start Levee Mile	3.65				
End Levee Mile	3.65				
Location	Water Side				
Category	Earthen Levee				
Item	Animal Control				
Looking upstream at one of several slope stablility along canal.					
richard f 20110922 125.jpg					

Levee Mile Report Line	4	
Start Levee Mile	3.65	
End Levee Mile	3.65	
Location	Water Side	
Category	Earthen Levee	
Item	Animal Control	
Looking at one of soveral alone atability along		

Looking at one of several slope stability along canal.

richard\_f\_20110922\_126.jpg

Tichard_1_20110322_120.jpg		
Levee Mile Report Line	5	
Start Levee Mile	3.85	
End Levee Mile	3.85	
Location	Water Side	
Category	Channels	
Item	Encroachments	
Looking northeast at weir in channel.		







*	L	oc	a	ti	io	n	1		
	٠	_						۰.	

LS : Land Side WS : Water Side CR : Crown

richard\_f\_20110922\_130.jpg

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

Lavas Mila Danart Lina	F
Levee Mile Report Line	5
Start Levee Mile	3.85
End Levee Mile	3.85
Location	Water Side
Category	Channels
Item	Encroachments
Looking at upstream side	e of weir.

Levee Mile Report Line	5	
Start Levee Mile	3.85	
End Levee Mile	3.85	
Location	Water Side	
Category	Channels	
Item	Encroachments	
Looking north at weir.		

richard\_f\_20110922\_132.jpg

richard\_f\_20110922\_131.jpg

Levee Mile Report Line	6		
Start Levee Mile	4.68		
End Levee Mile	4.68		
Location	Water Side		
Category	Channels		
Item	Encroachments		
Looking downstream at dilapidated bridge in channel.			







*	Location	

richard\_f\_20110922\_127.jpg

LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	6		
Start Levee Mile	4.60		
Start Levee Wille	4.00		
End Levee Mile	4.68		
Location	Water Side		
Category	Channels		
Item	Encroachments		
Looking southeast at dilapidated bridge in channel.			

richard\_f\_20110922\_128.jpg

Levee Mile Report Line	6		
Start Levee Mile	4.68		
End Levee Mile	4.68		
Location	Water Side		
Category	Channels		
Item Encroachments			
Looking porthoget at dilapidated bridge in channel			

Looking northeast at dilapidated bridge in channel.

richard\_f\_20110922\_129.jpg

Tichard_1_20110322_120.jpg				
Levee Mile Report Line	6			
Start Levee Mile	4.68			
End Levee Mile	4.68			
Location	Water Side			
Category	Channels			
Item	Encroachments			
Looking north at dilapidated bridge in canal.				
richard_f_20111114_406.jpg				







\* Location

LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	4.80
End Levee Mile	4.86
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Looking north at erosion caused by livestock.	on waterward slope

richard	l f	201	111	11	14	407	'.jpq
		_			-	_	,, 0

Levee Mile Report Line	7
Start Levee Mile	4.80
End Levee Mile	4.86
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Looking southwest at erosion on waterward toe caused by livestock.

richard\_f\_20111114\_408.jpg

Levee Mile Report Line	9
Start Levee Mile	5.07
End Levee Mile	5.10
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Looking south at rutting o	on levee crown.







LS : Land Side WS : Water Side CR : Crown

richard\_f\_20111114\_410.jpg

A : Acceptable
M : Minimally Acceptable
U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	10/31/2011 10/31/2011	Richard Willoughby

Levee Mile Report Line	10							
Start Levee Mile	1.4							
End Levee Mile	5.20							
Location	Water Side							
	Earthen Levee							
Item	Animal Control							
Looking north at erosion caused by livestock.								
richard_f_20111114_409.jpg								



### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

	Water	way		Bank	Unit Miles					
	Unit No. 23 San	Joaquin River		Right	10.25					
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)						
Unit Maintenance Rating (Fall Only)			М							
Date of Inspection	5/3/2011 - 5/3/2011		11/1/2011 - 11/1/2011							
DWR Inspector	Richard Willoughby		Richard Willoughby							
Accompanied By										
	vinter (or summer) inspection p									
conditions other tha	n the results of our normal mailed in the enclosed report.				ou project					
project components maintenance and th following changes in	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions. ction below or on additional sha n (Land Side, Water Side, or C	ee Inspection Report by o maintenance deficiend eet(s), identify change of	Mile. In addition to the results cies identified in the report, we of condition by: Start to End Le	of our no have fou	ormal und the or GPS					
Comments										
information must also be s DWR with any additional s	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000									
x										
Signature of LMA Repres	sentative		Date							

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/01/2011 11/01/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start	End	catogo. y	1.0111	ion	БL	/ tottorii ooniintont	Start	End	Photo
1	1.16	1.28	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.772832 ° -120.265742 °	36.773123 ° -120.263603 °	1 Y
2	1.56	1.75	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.771778 ° -120.259143 °	36.771625 ° -120.255817 °	
3	3.30	3.30	Earthen Levee	Vegetation	LS	М	Elderberries are blocking visibility and flood fight capability.	36.774403 ° -120.234705 °	36.774403 ° -120.234705 °	
4	3.45	3.45	Earthen Levee	Vegetation	LS	М	Elderberries are blocking visibility and flood fight capability.	36.776537 ° -120.234573 °	36.776537 ° -120.234573 °	
5	4.14	4.14	Earthen Levee	Vegetation	LS	М	Elderberries are blocking visibility and flood fight capability.	36.784212 ° -120.228815 °	36.784212 ° -120.228815 °	
6	4.46	4.46	Earthen Levee	Vegetation	LS	М	Elderberries are blocking visibility and flood fight capability.	36.784523 ° -120.223292 ° -	36.784523 ° -120.223292 °	11
7	5.23	5.23	Earthen Levee	Encroachments	WS	U	Material Inspector Comments: Sand pile in levee channel over three feet high. Pile is to close to levee.	36.791400 ° -120.214222 °	36.791400 ° -120.214222 °	7 Y
8	5.68	5.72	Earthen Levee	Animal Control	WS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	36.792012 ° -120.206270 °	36.791857 ° -120.205685 °	5
9	7.84	8.08	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.785663 ° -120.182890 °	36.789127 ° -120.182298 °	
10	7.84	8.08	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	36.785672 ° -120.182873 ° -	36.789130 ° -120.182297 °	12
11	9.10	9.21	Supplemental	DWR Erosion Survey	ws	U	Inspector Comments: 08/16/2011: This site is immediately downstream of the riparian protection section. Dense vegetation growing on the toe and slope of the bank seems to indicate the most part of the erosion occurred prior to last winter. The closest spot is 12 feet away from the levee toe. [2011 Site ID:NA0010U23RM224.27]	36.802116 ° -120.173847 °	36.802116 ° -120.173847 °	
12	9.21	9.26	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/16/2011: The erosion is cutting into the levee. The site is located at the outside of a river bend, and the erosions were caused by river flows during the last flooding season. The ground was covered by dense grasses. Animal burrow holes are visible. [2011 Site ID:NA0010U23RM224.33]	36.802898 ° -120.173278 °	36.802898 ° -120.173278 °	6 Y

Location								
LS : Land Side								
WS : Water Side								
CR : Crown								

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	1	
Start Levee Mile	1.16	
End Levee Mile	1.28	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
Looking south wild roses on landside toe.		
richard_f_20111114_421.jpg		

Levee Mile Report Line	2	
Start Levee Mile	1.56	
End Levee Mile	1.75	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
Looking couth at Johnson grass along landside		

Looking south at Johnson grass along landside toe.

richard\_f\_20111114\_422.jpg

ncnard_r_20111114_422.jpg		
Levee Mile Report Line	3	
Start Levee Mile	3.30	
End Levee Mile	3.30	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
Looking south at elderberry on landside toe.		
richard_f_20111114_423.jpg		







LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	7	
Start Levee Mile	5.23	
End Levee Mile	5.23	
Location	Water Side	
Category	Earthen Levee	
Item	Encroachments	
Looking upstream (south) at sand pile within 100' of waterside levee toe.		

richard\_f\_20110922\_136.jpg

Levee Mile Report Line	7
Start Levee Mile	5.23
End Levee Mile	5.23
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at sand pile within 100' of waterside levee toe.

richard\_f\_20110922\_137.jpg

Levee Mile Report Line	7	
Start Levee Mile	5.23	
End Levee Mile	5.23	
Location	Water Side	
Category	Earthen Levee	
Item	Encroachments	
Looking downstream (north) at sandpile within 100' of waterside levee toe.		

richard\_f\_20110922\_138.jpg







WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	7	
Start Levee Mile	5.23	
End Levee Mile	5.23	
Location	Water Side	
Category	Earthen Levee	
Item	Encroachments	
Looking south at sand pile on channel		

richard\_f\_20111114\_424.jpg

Levee Mile Report Line	11
Start Levee Mile	9.10
End Levee Mile	9.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking downstream at the downstream erosion site from the upstream site location. The boulders shows the riparian protection.

SJR2011\_NA0010U23RM224.27\_1.jpg

Levee Mile Report Line	11
Start Levee Mile	9.10
End Levee Mile	9.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking downstream standing at the middle of the erosion site.

SJR2011\_NA0010U23RM224.27\_2.jpg







\* Location

ocation \*\* Ra

LS : Land Side WS : Water Side CR : Crown \* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	11						
Start Levee Mile	9.10						
End Levee Mile	9.21						
Location	Water Side						
Category	Supplemental						
Item	DWR Erosion Survey						
Close look at the site. Dense vegetation is visible.							

SJR2011 NA0010U23RM224.27 3.jpg

Levee Mile Report Line	11
Start Levee Mile	9.10
End Levee Mile	9.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream. This image shows the ending point of the riparian protection.

SJR2011\_NA0010U23RM224.27\_4.jpg

12
9.21
9.26
Water Side
Supplemental
DWR Erosion Survey

The tree in the image marks the starting point of this erosion site.

SJR2011\_NA0010U23RM224.33\_1.jpg







Location

LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/01/2011 11/01/2011	Richard Willoughby

Levee Mile Report Line	12								
Start Levee Mile	9.21								
End Levee Mile	9.26								
Location	Water Side								
Category	Supplemental								
Item	DWR Erosion Survey								
Standing next to the erosion point cutting into the levee.									

SJR2011\_NA0010U23RM224.33\_2.jpg

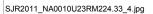
Levee Mile Report Line	12
Start Levee Mile	9.21
End Levee Mile	9.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking downstream. The image shows the point where the erosion is cutting into the levee.

SJR2011\_NA0010U23RM224.33\_3.jpg

Levee Mile Report Line	12
Start Levee Mile	9.21
End Levee Mile	9.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
1	

Looking downstream. The image shows the starting point of the riparian protection.









LS : Land Side

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

# **Lower San Joaquin Levee District**

	Bank	Unit Miles								
	Left	8.34								
	Spring (March - May)	Summer (June - August)	(September - November)		Winter ber - February)					
Unit Maintenance Rating (Fall Only)		, ,	U							
Date of Inspection	5/3/2011 - 5/3/2011		11/2/2011 - 11/2/2011							
DWR Inspector	Richard Willoughby		Richard Willoughby							
Accompanied By										
Check one:										
project components conditions other tha	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai and in the enclosed report.	e Inspection Report by	Mile. We have found no chang	ges in flo						
project components maintenance and th following changes in	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions.	ee Inspection Report by o maintenance deficience	Mile. In addition to the results cies identified in the report, we	of our no have for	ormal und the					
	n (Land Side, Water Side, or C									
Comments										
One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to:  DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000										

Date

Signature of LMA Representative

## Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.34	11/02/2011 11/02/2011	Richard Willoughby

LMR	Levee	Mile	Catagory	Item	Location	Rating	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	item	tion	ing	Action/Comment	Start	End	Photo
1	0.76	1.85	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.766028 ° -120.279443 °	36.771655 ° -120.264455 °	4
2	1.75	1.75	Earthen Levee	Erosion / Bank Caving	LS	С	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Large sink hole 15-18' from landside toe. See field investigation report for more detail. Farmer repaired irrigation pipe and filled in sink hole.	36.771117 ° -120.266202 °	36.771117 ° -120.266202 °	1
3	3.46	3.46	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	36.769345 ° -120.238370 °	36.769345 ° -120.238370 °	7
4	5.39	6.46	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	36.782337 ° -120.222930 °	36.789063 ° -120.207438 °	2 Y
5	6.33	6.33	Earthen Levee	Encroachments	WS	М	Prunings Inspector Comments: Large pruning pile in channel.	36.788172 ° -120.209520 °	36.788172 ° -120.209520 °	3 Y

## Levee Inspection Report By Mile - Fall 2011

# **Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.34	11/02/2011 11/02/2011	Richard Willoughby

Levee Mile Report Line	4
	· .
Start Levee Mile	5.39
End Levee Mile	6.46
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking south at dense v slope.	egetation on waterside

Levee Mile Report Line	5
Start Levee Mile	6.33
End Levee Mile	6.33
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking oast at large pru	ning pile in channel

Looking east at large pruning pile in channel.

richard\_f\_20111114\_417.jpg

richard\_f\_20111114\_416.jpg





### **Unit Cover Sheet**

### Fall 2011 Levee Inspection Results

	Water	way		Bank	Unit Miles				
	Right	2.47							
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)				
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	5/5/2011 - 5/5/2011		11/3/2011 - 11/3/2011						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
project components conditions other that deficiencies identified	vinter (or summer) inspection p identified in the attached Leve n the results of our normal mai ed in the enclosed report.	ee Inspection Report by intenance and the corre	Mile. We have found no chan ections we have made to main	ges in flo tenance	od project				
During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.  (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).									
Comments									
information must also be	3	eet should be signed ar	nd dated by the LMA Represer ch 31 (Winter Inspection). Plea aspection Reports e, Suite 200	itative an	d returned to				
x									
Signature of LMA Repres	sentative		Date						

## Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.47	11/03/2011 11/03/2011	Richard Willoughby

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
No.	Start	End	Calegory	пеш	tion	ing	Action/Comment	Start	End	Photo
1	0.00	2.47	Earthen Levee	Vegetation	CR	Α	Remove the wild growth other than native grasses from the levee slopes.	37.271175 ° -120.866608 °	37.271175 ° -120.866608 °	
2	0.27	1.77	Earthen Levee	Crown Surface / Depressions / Rutting	CR	W	Keep the crown roadway free of vegetation.	37.292165 ° -120.880693 °	37.271175 ° -120.866618 °	

## Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.47	11/03/2011 11/03/2011	Richard Willoughby

Start Levee Mile 0.00 End Levee Mile 2.47 Location	
Location	
Location	
Category Earthen Levee	
Item Vegetation	
Looking at typical view of levee slopes.	
richard_f_20111114_446.jpg	

